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PATENT

**293H Cells Transfected with
Anti-Ataxin1 Ribozyme (A1364A)
and Anti-ataxin siRNA (AT0945)**

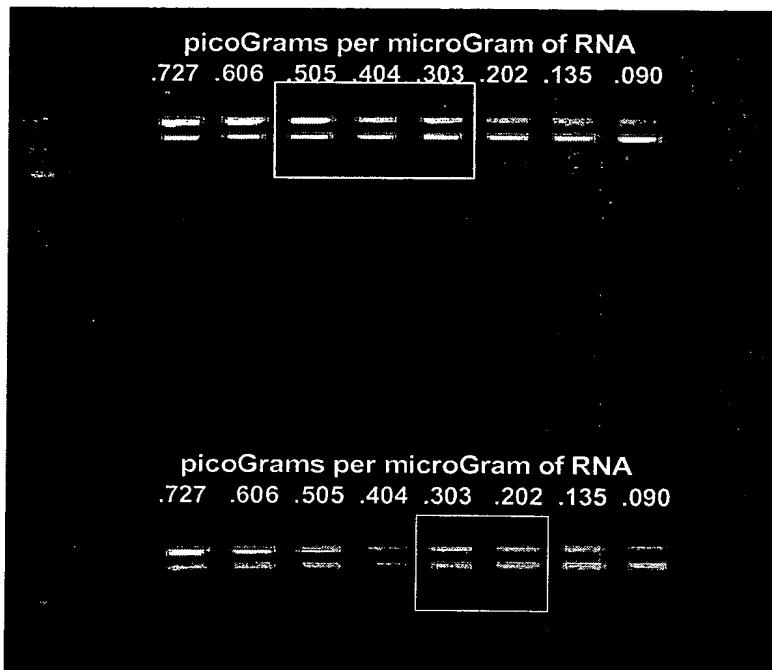


FIG. 1

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**293H Cells Transfected with Control siRNA (GAPDH)
and Anti-ataxin siRNA (AT1671)**

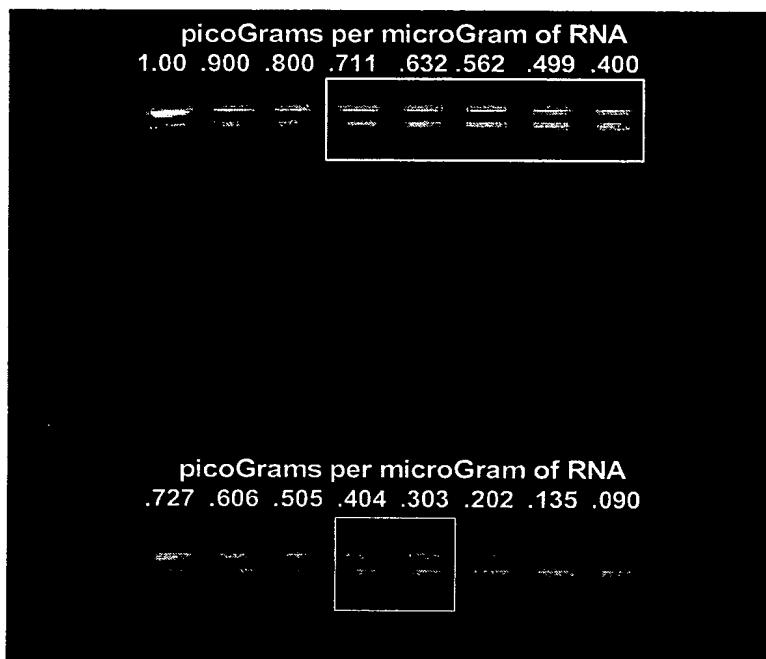


Fig. 2

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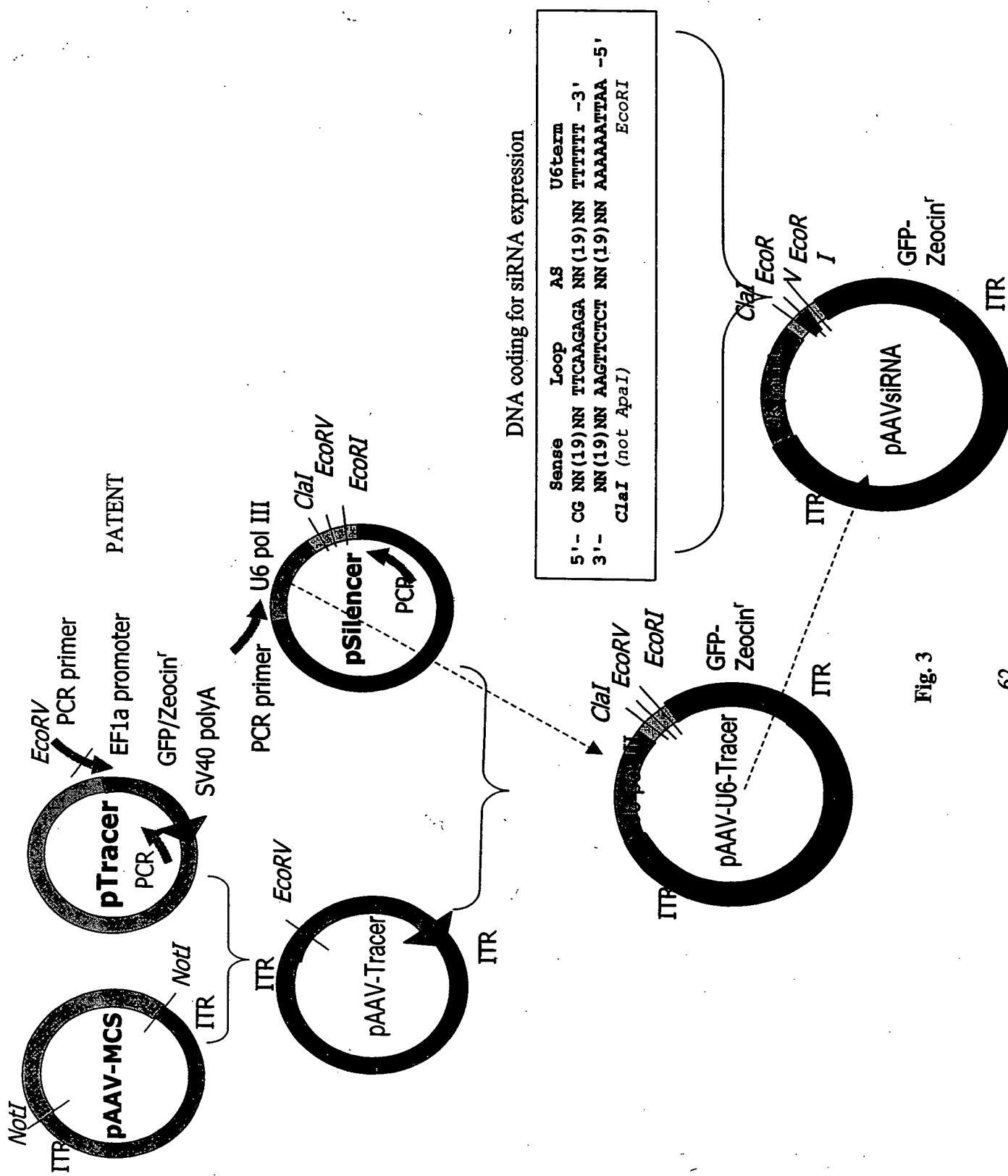


Fig. 3

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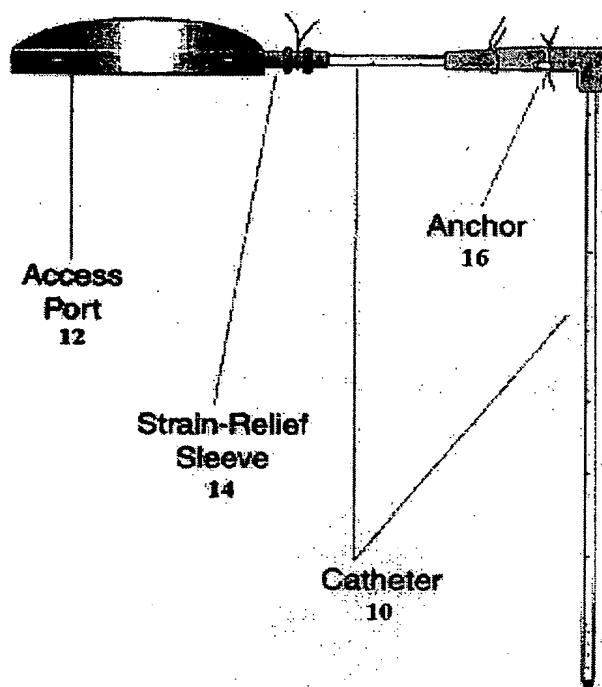


Figure. 4

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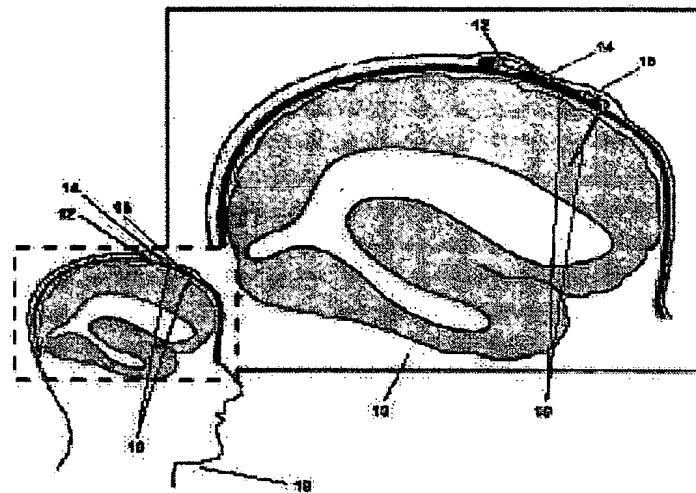


Fig. 5

Small interfering RNA Treatment of Neurodegenerative Diseases

Medtronic Docket: P-11089.00
 Inventor(s): William Kaemmerer
 USSN: To be assigned
 Filed: November 25, 2003 6 of 6

Disease	Location	Gene Product
Parkinson's Disease	Substantia Nigra	alpha-synuclein
Alzheimer's Disease	Nucleus Basalis of Meynert Cerebral Cortex	BACE1 (including variants thereof, e.g. variants A, B, C, and D)
Huntington's Disease	Striatum: Caudate Nucleus Putamen	Huntingtin (i.e., the protein product of the Huntington's gene IT15)
Spinocerebellar Ataxia Type 1 Type 2 Type 3 (Machado Joseph)	Deep Cerebellar Nuclei: Dentate nucleus Emboliform nucleus Globose nucleus Fastigial nucleus Cerebellar cortex	Ataxin 1 Ataxin 2 Ataxin 3
Dentatorubral-pallidoluysian atrophy	Red Nucleus Globus Pallidus	Atrophin 1

Fig. 6